

## CWSF 2010 - Peterborough, Ontario



### Cal Siemens

#### Out, damn'd Spot! A Randomized Controlled Study of Handwashing.

**Division:** International

**Category:** Junior

**Region:** Frontenac, Lennox & Addington

**City:** Kingston, ON

**School:** Calvin Park P.S.

**Abstract:** This is a report of a randomized control study which compared the efficacy of soap versus hand sanitizer in Grade 7 students. Blood agar plates were used to culture bacterial colonies left on students' hands after washing. Results demonstrated a statistically significant reduction in number of colonies formed after washing with hand sanitizer compared to soap and water.

#### Biography

My name is Cal Siemens. I was born in the city of Kingston, Ontario, on Dec 11, 1997. My first school was Sydenham Public School, where I stayed for grades 1-6. I then went to the Challenge Program at Calvin Park Public School in Kingston, Ontario. I enjoy many sports like hockey, soccer, basketball, waterskiing, and downhill skiing. I also do other activities like karate (I am a brown belt) and guitar. I like to go on trips, and last year (2009) I went to Australia and the South Pacific. I plan to go to a university and may pursue a career in medicine.

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